The Artificial Intelligence (AI) Residency Program

The Artificial Intelligence (AI) Residency Program is a one-year research position designed to give you hands-on experience with artificial intelligence research while working at ChipBrain.

The ChipBrain program follows our MIT origins and takes the 'Mens et Manus' principle — we believe our greatest achievements result from combining theoretical argument and practical engineering. We embody this principle at ChipBrain, and so does our AI Residency Program. ChipBrain AI residents contribute to both research discovery and product implementation, not just research alone.

The program will pair you with both an AI Researcher and an AI Engineer who will support you in your projects. With the team, you will pick a research problem of intellectual merit in AI and broader impact through ChipBrain products, then devise and apply new deep learning techniques to solve it. Because ChipBrain is a fast-paced start-up environment, projects are intentionally flexible and often change — "failing fast" is encouraged and you will be evaluated based on your contributions over the course of the year, not on any individual project.

We strongly encourage collaborations with employees outside of your mentors. You will communicate your research to the academic community by: (1) submitting papers to top academic venues (for example, NeurIPS, ICML, KDD, ICLR, CVPR, ICCV, UAI, EMNLP, etc.), (2) product impact, and (3) open-source code.

The ChipBrain AI Residency is designed for those interested in a career in artificial intelligence. This is a full-time program — you may not take this role while also studying at a university or working a full-time job.

We encourage applications from people who have a strong technical background and are passionate about AI research. Prior experience in machine learning is preferred, but not necessary, and we evaluate every applicant based on their own merit.

We strongly encourage applicants with diverse backgrounds to apply.

Responsibilities

- Learn and perform research in deep learning and AI.
- Understand prior work and existing literature.
- Identify problem(s) of interest with mentors and develop novel AI solutions.
- Frequently translate ideas into practical code (ChipBrain products).
- Write up research as an academic paper or open-source blog release.

Important dates

- Applications are open until August 2021. We evaluate on a rolling basis.
- New residents start in the fall of 2021. (usually September 1)
- Residency lasts for one year, ending in fall of 2022.

Location

The ChipBrain is based in Boston, MA, USA, however, during the 2020-2021 years, we support remote-work AI residency.

To apply

Apply at https://chipbrain.com/apply. Select "ChipBrain AI Resident" for the role. If you believe you are an exceptional fit and your application may have been overlooked, contact ChipBrain's CTO Curtis Northcutt at curtis@chipbrain.com. Entitle your email "ChipBrain AI Residency Program".

FAQ

- Will I be paid during the residency?
  - Yes. We pay all residents a competitive salary.
- Will the program provide a certificate of completion?
  - No. This is not a formal educational program.
- Is this a part-time program?
  - No. The Residency is only offered as a full-time position for one year. It is not possible to combine this with university study or a paid job.
- What options will be open to me at the end of the program?
  - The residency is ideal preparation for applying to top graduate programs in machine learning. We will invite exceptional performers to interview for full-time positions at ChipBrain.
- Can I do a longer Residency than 12 months?
  - The program is only offered for 12 months (extensions on a case-by-case basis).
- Can I do the Residency remotely?
  - No. Typically, residents work on-site during their residency. We are making exceptions because of COVID-19. Once it is safe to travel, residents will need to work in person. Additional exceptions are allowed on a case-by-case basis.
- I have been out of school for several years. Am I eligible to apply?
  - Yes. We will consider applications from various backgrounds.
- Can I attend or enroll as a student at a university during the residency?
  - No, the residency can't be completed simultaneously.
- Can I work for a university or another employer during the residency?
  - No, the residency cannot be done simultaneously with other jobs.
- Will I receive benefits during the Residency?

- Yes, residents are eligible for most benefits. Residents are not eligible to receive ChipBrain RSUs, annual bonuses, or merit increases.
- Will ChipBrain provide housing for the duration of this program?
    - No, but for those who are eligible we provide a competitive salary and relocation.
- Is there a fee associated with this program?
    - There are no fees to participate in the program. The Residency pays a competitive salary for those that are eligible.
- Can I work at CAIR (ChipBrain AI Research) after I complete the Residency?
    - Yes. Exceptional residents will be interviewed for a full-time position at CAIR after the completion of their Residency. We give priority to applicants who intend to stay at ChipBrain (presuming the Residency goes well).

Questions?

Please contact Adia Maund at adia.maund@chipbrain.com with questions regarding the ChipBrain Artificial Intelligence Research Residency Program.